

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61K31/341 A61K31/215 C07F9/117

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 A61K C07F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 875 514 A (SHOWA DENKO KK) 4 November 1998 (1998-11-04) page 3, line 1 - line 20	1-19
A	EP 1 074 242 A (BEIERSDORF AG) 7 February 2001 (2001-02-07) paragraph '0015!	1-19
	-/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- *Z* document member of the same patent family

Date of the actual completion of the international search

7 July 2003

Date of mailing of the international search report

29/07/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5618 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax (+31-70) 340-3016

Authorized officer

Zellner, A

C.(Continuation) DOCUMENT CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>DATABASE CA 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; MOTOI, TOSHIYUKI: "Cosmetics containing 6-O-acylascorbic acid phosphate salts" retrieved from STN Database accession no. 105:29804 XP002246599 abstract & JP 61 050908 A (KANEBO, LTD., JAPAN) 13 March 1986 (1986-03-13)</p>	1-19
A	<p>DATABASE CA 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; SANTEN PHARMACEUTICAL CO., LTD., JAPAN: "Ascorbic acid derivatives" retrieved from STN Database accession no. 100:175214 XP002073275 abstract & JP 58 222078 A (SANTEN PHARMACEUTICAL CO., LTD., JAPAN) 23 December 1983 (1983-12-23)</p>	1-19
A	<p>US 4 939 128 A (KATO KANEYOSHI ET AL) 3 July 1990 (1990-07-03) column 9; example 12</p>	1-19
A,P	<p>EP 1 264 600 A (SHOWA DENKO KK) 11 December 2002 (2002-12-11) page 4, paragraphs 22,23</p>	1-19
A	<p>EP 0 875 246 A (SHOWA DENKO KABUSHIKI KAISHA, JAPAN) 4 November 1998 (1998-11-04) the whole document</p>	1-19

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0875514	A	04-11-1998	JP 10298174 A EP 0875514 A1 US 6127409 A	10-11-1998 04-11-1998 03-10-2000
EP 1074242	A	07-02-2001	DE 19936686 A1 EP 1074242 A2	08-02-2001 07-02-2001
JP 61050908	A	13-03-1986	NONE	
JP 58222078	A	23-12-1983	JP 1686795 C JP 3055470 B	11-08-1992 23-08-1991
US 4939128	A	03-07-1990	AU 609283 B2 AU 3316189 A CA 1318315 C CN 1037341 A DK 191589 A EP 0339486 A2 HU 51279 A2 JP 2028189 A SU 1838320 A3	26-04-1991 26-10-1989 25-05-1993 22-11-1989 26-10-1989 02-11-1989 28-04-1990 30-01-1990 30-08-1993
EP 1264600	A	11-12-2002	AU 3600101 A CA 2401352 A1 EP 1264600 A1 WO 0164245 A1 US 2003035812 A1 US 2001041182 A1	12-09-2001 07-09-2001 11-12-2002 07-09-2001 20-02-2003 15-11-2001
EP 0875246	A	04-11-1998	EP 0875246 A1 JP 10330261 A US 2002010210 A1	04-11-1998 15-12-1998 24-01-2002